

ABSTRACT OF THE DISCLOSURE

A system and apparatus for deployment of a decoy from a moving object, such as an aircraft, to protect the aircraft from an enemy missile. The decoy is stored in a housing mounted on the aircraft and is connected by a cable containing fiber optics and high voltage conductors. The cable is stored on a spool which is reciprocally moveable along a rotating shaft provided with a double helix and which is located coaxially within an outer rotatable de-bailer. The cable is drawn through a passage formed in an outer cylindrical side wall and end wall of the de-bailer as the decoy is deployed from the aircraft. The cable causes the de-bailer to rotate about the spool which reciprocates back and forth along the double helix shaft. The spool is connected to the helix of the shaft by a pawl and a brake mechanism controls the rotational speed of the shaft, and thus the payout speed of the cable. The control cable extends continuously from the decoy to a stationary terminus at the aircraft avoiding the use of a fiber optic rotary joint or slip ring technology heretofore required.